PATENT COOPERATION TREATY

CONFIRMATION INTERNATIONAL SEARCHING AUTHORITY James & Wells 'O Box 2201 WRITTEN OPINION OF THE Christchurch INTERNATIONAL SEARCHING AUTHORITY **NEW ZEALAND** (PCT Rule 43bis.1) Date of mailing 1 8 NOV 2004 (day/month/year) FOR FURTHER ACTION Applicant's or agent's file reference See paragraph 2 below 42968PCX329 International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/NZ2004/000184 13 August 2004 15 August 2003 International Patent Classification (IPC) or both national classification and IPC Int. Cl. 7 A61K 31/407; A61P 9/10, 9/12 Applicant AGRESEARCH LIMITED et al This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II **Priority** Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application 2. **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. 3. For further details, see notes to Form PCT/ISA/220. Name and mailing address of the IPEA/AU Authorized Officer **AUSTRALIAN PATENT OFFICE** PO BOX 200, WODEN ACT 2606, AUSTRALIA S. CHEW E-mail address: pct@ipaustralia.gov.au Telephone No. (02) 6283 2248

Facsimile No. (02) 6285 3929

International application No.

PCT/NZ2004/000184

Box	No. I	Basis of the op	pinion					
1.				has been established under this item		the internationa	l application in	the language in
	the f	opinion has been following languag mational search (u	e		slation from the or anguage of a trans	riginal language lation furnished	e into I for the purpos	es of
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:							
	a. type o	f material						
		a sequence listing	g					
		table(s) related to	the sequence	listing	·			
	b. forma	t of material					•	
		in written format	:	-				
		in computer read	able form					
	c. time o	of filing/furnishing	g					
		contained in the	international a	oplication as filed.		•		
		filed together wit	th the internati	onal application in	computer readable	e form.		
		furnished subseq	uently to this A	Authority for the pu	rposes of search.		•	•
3.				n one version or coments that the infor				
				t go beyond the app				
4.	Addition	al comments:						
7.	Addition	ii comments.		·				
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International application No.

PCT/NZ2004/000184

Rox No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	9, 11, 14-15, 35-36	YES ·
	Claims	1-8, 10, 12-13, 16-34	NO
Inventive step (IS)	Claims	9, 11, 14-15, 35-36	YES
	Claims	1-8, 10, 12-13, 16-34	NO
Industrial applicability (IA)	Claims	1-36	YES
	Claims		NO

2. Citations and explanations:

This report has considered the following documents cited in the International Search Report:

- D1 WO 2003/105868
- D2 Miles C. et al.
- D3 Munday-Finch S. et al. J. Agric. Food Chem. 1995
- D4 Munday-Finch S. et al. J. Agric. Food Chem. 1998
- D5 Munday-Finch S. et al. J. Agric. Food Chem. 1997
- D6 Derwent Abstract Accession No. 92-308267/38
- D7 Munday-Finch S. et al. J. Agric. Food Chem. 1996

NOVELTY (N): Claims 1-8, 10, 12-13, 16-34

The composition claims are considered to be directed to compositions which are characterised by their components only, that is compounds having the structure as defined. The term "BK channel antagonist" does not limit the scope of the claims. Thus any document which discloses compounds having the defined structure would anticipate the composition claims.

D1 was published after the priority date and will not be considered further. See however the indications in Box VI.

D2 has disclosed the isolation and structures of lolitrems B and E including their biosynthetic route from lolitriol (see abstract and figure 1). Therefore claims 1-5, 7, 16-29 and 33-34 are not novel.

D3 has disclosed the isolation of lolitrem A, its structure and structures of lolitrems B, C and E (see abstract and figure 1). Therefore claims 1-6, 16-26 and 33-34 are not novel.

D4 has disclosed the isolation of lolicines A and B, lolitriol and lolitrem N and has provided evidence for 31-epilolitrem N and 31-epilolitrem F (see abstract and figure 1). Therefore claims 1-7, 12-13 and 16-34 are not novel.

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Box No. VI	Certain docun	nents cited		
1. Certain pub	lished documents	(Rules 43bis.1 and 70.10)		
Applicati Paten		Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
P,X WO 20	003/105868	24 December 2003	13 June 2003	17 June 2002
			·	
·				· .
A and B and th	heir use as potas	olitrems A, B, C, E, F, H, N, lossium channel blockers for the claims 1-8, 10, 12-13, 16-34 ar	treatment of ocular hyperter	ol, lolilline, lolitriol, lolicines nsion or glaucoma (see pages 5,
	ional filing date	s) listed in Box VI under "certa but later than the priority date		are documents published prior therwise be considered to be of
Under the PCT a document pu	Γ, novelty is cor ublished after the	nsidered only in respect of docu e priority date is dependent upo examination, under the PCT Gu	on national law. Such docur	
2. Non-writter	n disclosures (Ru	les 43 <i>bis</i> .1 and 70.9)		
Kind of n	on-written disclo	Date of non-write (day/mon		Date of written disclosure erring to non-written disclosure (day/month/year)
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Supplemental Box



'n case the space in any of the preceding boxes is not sufficient.

Continuation of: Box V

D5 has disclosed lolilline, lolitrems A, B, E and lolitriol (see figures 1 and 3). Therefore claims 1-7, 10, 16-29 and 33-34 are not novel.

D6 has disclosed lolitrem derivatives which fall within the scope of the compounds of claims 1-3, 7 and 16-24.

D7 has disclosed lolitrem F, lolitrem B, 31-epilolitrem B, 31-epilolitrem F and lolitriol (see abstract, figures 1 and 4). Therefore claims 1-4, 16-32 and 34 are not novel.

INVENTIVE STEP (IS): Claims 1-8, 10, 12-13, 16-34

AS above.

INDUSTRIAL APPLICABILITY (IA): Claims 1-36

Claims 1-36 have industrial applicability.